



Professional Development and Teacher Success Program



The following pages illustrate CompuScholar's **Professional Development** and **Teacher Roadmap for Success** programs. These features are **free to teachers** with their school's adoption of any CompuScholar course.

1. **Built-in Support for Teachers** – Our online delivery system contains teacher training videos, dashboards, teacher's guides, activity solutions and more.
2. **Professional Development** – Our Professional Development program provides live and recorded modules on a variety of subjects, plus free technical support.
3. **Teacher Roadmap for Success** – Our comprehensive plan ensures successful onboarding, enablement and monitoring throughout the year.

We look forward to working with your teachers and students. If you have any questions, don't hesitate to contact us.



Built-In Support for Teachers

Every CompuScholar course comes with full teacher material and built-in support, accessed through a teacher account. The following pages illustrate the main teacher components.

Teacher Lesson Guides

Each lesson has a corresponding Teacher's Guide with objectives, suggested classroom discussion questions, and solutions to any in-lesson exercises.

Teaching

Activity #1: Lesson Video

Have the student view the Lesson Video for this lesson. You may choose to view this video with the class, or have each student view the material on their own.

Activity #2: Lesson Text

Have the student read the Lesson Text for this lesson. This will reinforce the topics that were covered in the lesson video.

Activity #3: Class Discussion

In a class discussion, make sure your students understand the basic points of the lesson. They should be able to answer the following questions:

1. A **String** object actually contains a series of what kind of data?
2. How can you access a specific **char** in a **String**?
3. What index value would access the fourth character in a **String**?
4. What does the **contains()** method do on a **String** object?
5. What does the **indexOf()** method do on a **String** object?
6. What do the **length()**, **replace()**, and **substring()** methods do?
7. What methods can be used to change a **String** value into all upper-case or all lower-case characters?
8. What other functions are available on the **String** object.
9. What is the difference between the **String equals()** and **compareTo()** functions?

Activity #4: Work With Me Exercise

The code below shows the solution for this "Work With Me" exercise.

```
public class StringFun
```












Professional Development Training Videos

Teachers can access a series of PD training videos from their Teacher's Menu, 24x7x365.

Common Administrative Features

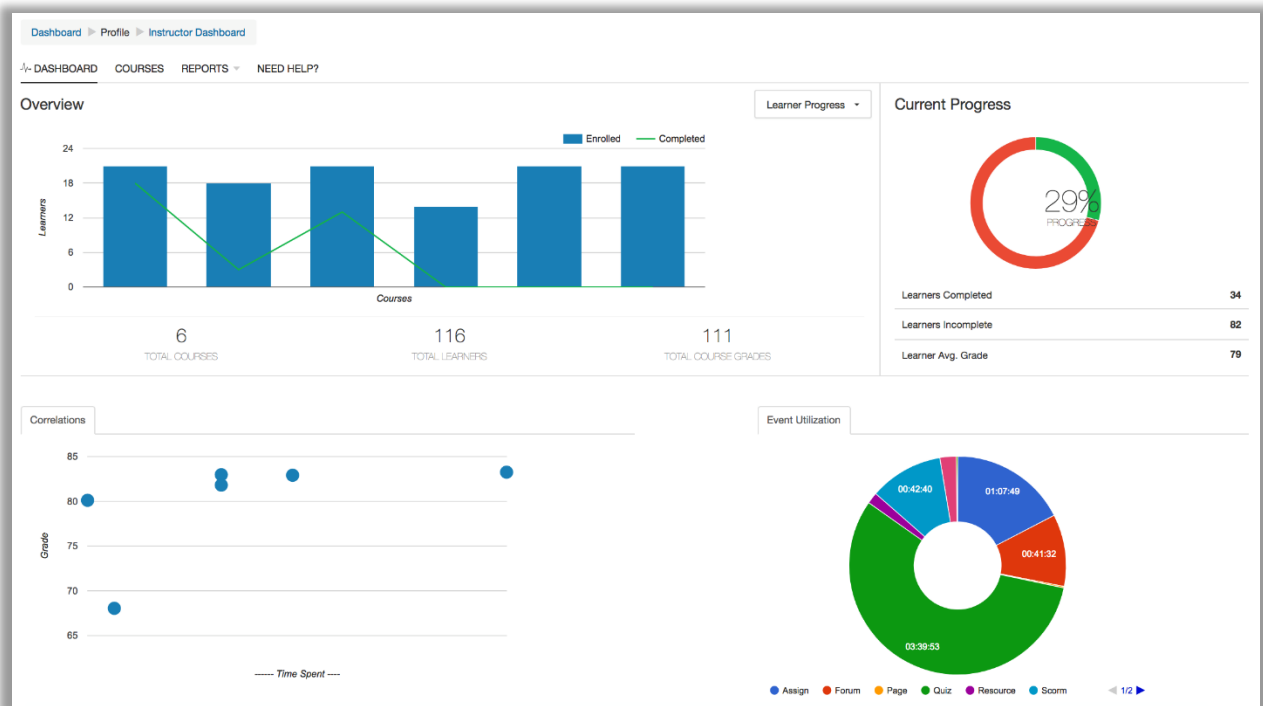
Teachers for all CompuScholar courses should start here to learn about the common features available through our online Learning Management System (LMS).

-  Giving Quizzes and Tests (Public/Private Schools)
-  Giving Quizzes and Tests (Homeschool/Individuals)
-  Grading Projects (Private/Public Schools)
-  Grading Projects (Homeschool/Individuals)
-  Using the Gradebook
-  Managing Student Logins
-  Configuring Course Options (Public/Private Schools)
-  Adding Siblings (Homeschool/Individuals)
-  Getting Additional Help



Instructor Dashboard with Comprehensive Reporting

Teachers have access to comprehensive reporting features to better understand student engagement, progress and results.





Syllabus and Lesson Plan

Each course comes with a syllabus and suggested pacing guide.

Week	Reading and Objectives	Labs
1	Chapter One: Understanding Computer Programming <ul style="list-style-type: none">• A Survey of Computer Hardware• Introduction to Computer Software• Common Programming Languages• Computer Ethics and Security	Establish Development Environment - Install JDK, create working directory, practice submitting projects through the online interface. Class discussion and review of a sample EULA terms and conditions.
2	Chapter Two: Getting Started with Java <ul style="list-style-type: none">• The Java Platform	Show Time! – The student's first Java program will print the current time to the console. The student

Activity Solution Guides

Every hands-on project includes a full solution guide.

Activity Solution: String Theory

In this activity, the student will create, compare and change **String** values. The student will need to create a new project in Eclipse, add a Java class, and then write code inside the **main()** function that completes the required steps.

The activity specifies four starting strings the student should declare and initialize. Then the student will make a number of string function calls to compare strings or produce different strings. In each case, the resulting value will be printed to the screen along with some descriptive text using the **System.out.println()** function.

Here is sample solution code that meets the activity requirements. Student may vary.

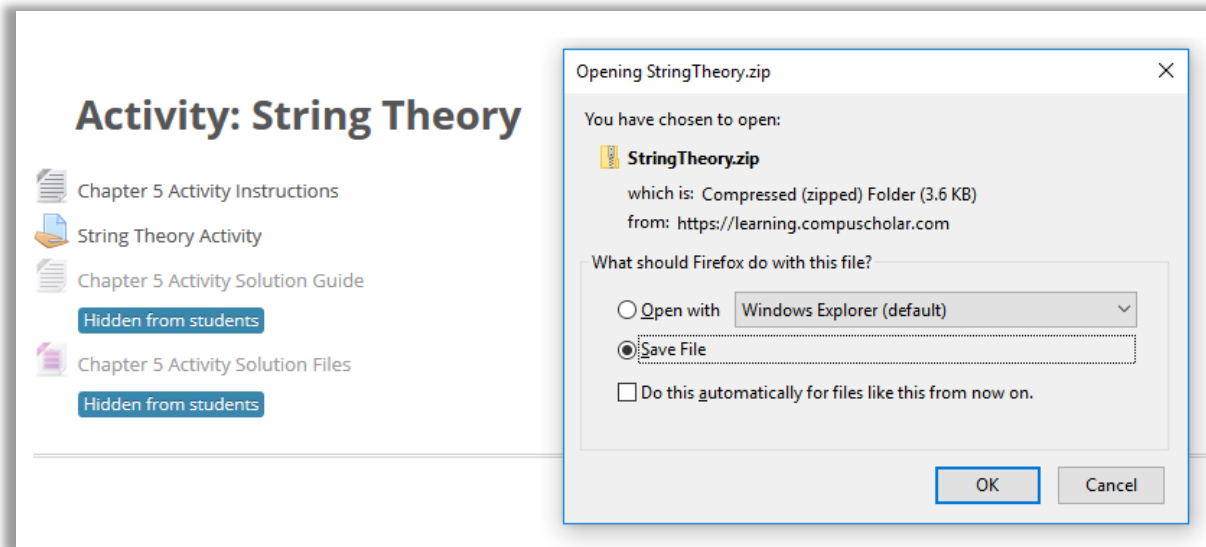
```
import java.util.*;

public class StringTheory
{
```



Fully Coded Solution Projects

Every hands-on coding project includes a fully coded solution that can be downloaded, built and run to demonstrate the activity.



Professional Development









CompuScholar's free Professional Development Program consists of:

- Live orientation and onboarding webinars
- Ongoing monthly enrichment webinars on a variety of subjects
- Recorded training videos available online within our system, 24 x 7
- Strategic guidance and industry expertise

In addition, teachers are encouraged to take advantage of free technical support:

- Online support portal with searchable knowledge base and FAQ
- Help ticketing system to communicate and track problem resolution
- Live phone, email, or remote desktop support from our subject matter experts

Example monthly enrichment webinar topics:

Schedule	Session Title	Recording
January 31, 2017	What Does the New "K-12 Computer Science Framework" Mean to Me?	
February 23, 2017	Exploring Sources of Practice Coding Problems	
March 23, 2017	Industry Certification Exams for High Schoolers - What, Why, and How	
April 27, 2017	Reviewing the College Board AP CS A Example Labs	
October 27, 2017	Exporting and Importing Grades to SIS Systems	
December 13, 2017	Software Industry Job Outlook and Desired Skills	
January 24, 2018	Teaching Programming with the Unity IDE	
February 21, 2018	Teaching Web Design with HTML / CSS	



Teacher Roadmap for Success

A dedicated Customer Service Rep for every teacher will facilitate teacher success throughout the year!

